| Essential Learning | # | Components | Suggested | |
| --- | --- | --- | --- | --- |
| Activities | Assessments |
| **VCS T K.1 Understand the ethical, cultural, and societal issues related to technology**  AK Standard: E1, E2, E3, E4, E5, E6, E7, E8  ISTE Standard: 5a, 5b, 5c, 5d | VCS  K.1.1 | Practice responsible use of technology systems, information, and software | Re-state or discuss classroom rules for technology use  Place keyboard, mouse and headphones in correct position when leaving workstation  View a presentation on how to treat equipment with care | Skills checklist  Oral quiz |
|  | VCS  K.1.2 | Develop positive attitudes towards technology use that supports lifelong learning, collaboration, personal pursuits, and productivity | Work collaboratively with others on computer projects  Identify professions that utilize technology on a daily basis |
| **VCS T K.2 Utilize basic input devices**  AK Standard: A1  ISTE Standard: 6a | VCS  K.2.1 | Use appropriate mouse skills | Demonstrate point, click, and drag using mouse  Hold mouse appropriately (“fingers point toward the tail”) | Skills checklist  Paper keyboard |
|  | VCS  K.2.2 | Use the keyboard to provide input to applications, software, and the internet | Play games that require the use of both hands when using keyboard  Color a paper keyboard to locate specific keys (return, space bar, numbers, and arrows) |
| **VCS T K.3 Demonstrate an understanding of technology concepts, systems, and operations**  AK Standard: A1, A2, A3, A4, A5  ISTE Standard: 6a, 6b, 6c, 6d | VCS K.3.1 | Recognize, define, and use technology terms, processes and systems | Identify the basic parts of a computer: monitor, keyboard, mouse, headphones, CPU  View internal components of computer  Login and logout of computer | Oral quiz  Skills checklist  Teacher observation |
|  | VCS K.3.2 | Select and use applications effectively and productively | Open and quit applications  Use the undo function within programs  Allow students to choose an appropriate application based on the task given |
|  | VCS K.3.3 | Diagnose and solve common technology problems | Practice using function keys to increase and decrease volume  Demonstrate correct method for plugging and unplugging headphones  Identify when a computer is in “sleep mode,” or has frozen  Asks for assistance when problems arise |
| **VCS T K.4 Demonstrate creative thinking and innovation**  AK Standard: D1  ISTE Standard: 1a, 1b, 1c, 1d | VCS K.4.1 | Apply knowledge to develop new products using technology | Create drawings to illustrate concepts learned in class  Create a drawing using a specific set of tools | Skills checklist  Teacher observation |
|  | VCS K.4.2 | Create original products to convey ideas or as personal expression | Create drawings to express their favorite things or activities  Create number or vocabulary books |
|  | VCS K.4.3 | Explore issues or ideas using models or simulations | View parts of plants online or from teacher-derived materials and draw an illustration  Play online games to explore the solar system, plant growth, geometry, patterns, etc. |